

ABSTRACT OF THE DISCLOSURE

A method and system for determining location and/or motion for one or more wireless devices communicating at short range (i.e. less than about 30 feet) with other wireless devices on a wireless network. Signal strength measurements are passed within communication frames between wireless devices which can be used to represent an inverse of the distance, wherefrom a distance vector is determined between wireless devices. Using multiple distance vectors from multiple wireless network devices, a 2-D or 3-D coordinate representation for position of each wireless network in 2-D or 3-D space can be calculated. These coordinates can be utilized for determining the precise traveled position of a specific wireless network device in motion and for establishing a motion sensing system. The motion sensing system can be configured as input to a user interface to control devices and systems which integrated within or connected to devices communicating on the wireless network.